PTO-1390 (Rev. 07-2005)
Approved for use through 03/31/2007. OMB 0651-0021
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ATTORNEY'S DOCKET NUMBER TRANSMITTAL LETTER TO THE UNITED STATES 59894US(49991) DESIGNATED/ELECTED OFFICE (DO/EO/US) 7 (153 og see 37 CFR 1.5) **CONCERNING A SUBMISSION UNDER 35 U.S.C. 371** INTERNATIONAL FILING DATE INTERNATIONAL APPLICATION NO. RIORITY DATE CLAIMED PCT/US2005/004955 16 February 2005 17 February 2004 TITLE OF INVENTION POROUS HYBRID MONOLITH MATERIALS WITH ORGANIC GROUPS REMOVED FROM THE SURFACE APPLICANT(S) FOR DO/EO/US John E. O'Gara Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. The US has been elected (Article 31). A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) 5. X is attached hereto (required only if not communicated by the International Bureau). has been communicated by the International Bureau. b. is not required, as the application was filed in the United States Receiving Office (RO/US). c. An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). is attached hereto. has been previously submitted under 35 U.S.C. 154(d)(4). Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) are attached hereto (required only if not communicated by the International Bureau). a. have been communicated by the International Bureau. b have not been made; however, the time limit for making such amendments has NOT expired. C d. Х have not been made and will not be made. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12 An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. X A preliminary amendment. An Application Data Sheet under 37 CFR 1.76. 15. A substitute specification. 16 A power of attorney and/or change of address letter. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825. A second copy of the published International Application under 35 U.S.C. 154(d)(4). 18. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 19.

IAP11 Rec'd PCT/PTO 31 JUL 2006

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| U.S. APPLIATION 50 87 5 9 7 5 9 7 8 5) | | | INTERNATIONAL APPLICATION NO. PCT/US2005/004955 | | | ATTORNEY'S DOCKET NUMBER 59894US(49991) | | | | | |
|--|-------------------|--------------|--|-------------------|-------------------|--|-------------|---------------------------------------|--|--|--|
| 20. X Other items or information: Copy of International Search Report (2 pages); Written Opinion of the International Searching Authority (3 pages); Return Receipt Postcard | | | | | | | | | | | |
| The following for | es have h | een suhmitte | | | | CALCULATION | PTO USEONLY | | | | |
| 21. x Basic nation | \$ 300.00 | | | | | | | | | | |
| 22. X Examination If the written opinion prepared by IPEA/US i All other situations | \$ 200.00 | | | | | | | | | | |
| 23. x Search fee (37 CFR 1.445 International Search fee previously commun. All other situations | \$ 100.00 | | | | | | | | | | |
| TOTAL | OF 21, 22 an | d 23 = | <u>-</u> | | | \$ 600.00 | | | | | |
| Additional fee for sy sequence listing electronic mediu. The fee is \$250 | | : | | | | | | | | | |
| Total Sheets Extra S | | | additional 50 or fraction up to a whole number) | | RATE | | | | | | |
| 41 -100= | /50 = | • | x \$250.00 | | | | | | | | |
| Surcharge of \$130 for fun after the date of commend | \$ 130.00 | | | | | | | | | | |
| CLAIMS | NUMBE | R FILED | NUMBER EXTRA | NUMBER EXTRA RATE | | | | | | | |
| Total claims | al claims 35 - 20 | | 15 | × | 50.00 | 750.00 | | | | | |
| Independent claims 3 - 3 = | | | 0 | × | | | _ | | | | |
| MULTIPLE DEPENDENT | CLAIM(S) (ii | applicable) | | + | /E CALCULATIONS = | | _ | | | | |
| | \$ 1,480.00 | | | | | | | | | | |
| Applicant claims s | | | | | | | | | | | |
| | SUBTOTAL = | \$ 1,480.00 | | | | | | | | | |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). | | | | | | \$ | | | | | |
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Application No. (if known): Not Yet Assigned

Attorney Docket No.: 59894US(49991)

Certificate of Express Mailing Under 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. EV 756259197 US in an envelope addressed to:

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on July 31, 2006
Date

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Signature
Peter C. Lauro

Typed or printed name of person signing Certificate

32,360

(617) 439-4444

Registration Number, if applicable

Telephone Number

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Application Data Sheet (2 pages)

Information Disclosure Statement (2 pages)

Citation List of References (1 page)

Copy of International Search Report (2 pages)

Written Opinion of the International Searching Authority (3 pages)

Preliminary Amendment (12 pages)

Transmittal Letter to the United States Designated-Elected Office (3

pages)

Fee Transmittal (1 page)

Charge \$1,480.00 to deposit account 04-1105

10/587598

IAP11 Rec'd PCT/PTO 31 JUL 2006 PTO/SBJ/17 (01-06)
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| Fees pursuant to the Consolidate | 40 | Complete if Known | | | | | | | | | |
|---|--|-------------------------|-------------|----------------------|-----------------|--------------------------------------|----------------|--------------------------|--|--|--|
| | | lication Num | nber | Not Yet Assigned | | | | | | | |
| FEE TRA | Filir | ng Date | | July 31, 2006 | | | | | | | |
| For FY 2006 | | | | t Named Inv | entor | John E. O'Gara | John E. O'Gara | | | | |
| <u></u> · · · · · · · · · | Exa | miner Name | | Not Yet Assigned | | | | | | | |
| Applicant claims small e | Art | Unit | | N/A | N/A | | | | | | |
| TOTAL AMOUNT OF PAYN | Atto | mey Docket | No. | 59894US(4999 | 59894US(49991) | | | | | | |
| METHOD OF PAYMENT (check all that apply) | | | | | | | | | | | |
| Check Credit Card Money Order None Other (please identify): | | | | | | | | | | | |
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| For the above-identified deposit account, the Director is hereby authorized to: (check all that apply) | | | | | | | | | | | |
| | x Charge fee(s) indicated below Charge fee(s) indicated below, except for the filing fee | | | | | | | | | | |
| Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17 | | | | | | | | | | | |
| FEE CALCULATION (AI | | | upon fili | ng or may | be subj | ect to a surcha | rge.) | | | | |
| 1. BASIC FILING, SEARCH, | | | SEARC | n eee | EVANI | NATION FEES | | | | | |
| | FILIN | Small Entity | | mrees | EXAMI | Small Entity | | | | | |
| Application Type | Fee (\$) | | e (\$) | Fee (\$) | <u>Fee (\$)</u> | Fee (\$) | Fees P | aid (\$) | | | |
| Utility | 300 | | 500 | 250 | 200 | 100 | | | | | |
| Design | 200 | | 100 | 50 | 130 | 65 | | | | | |
| Plant | 200 | | 300 | 150 | 160 | 80 | | | | | |
| Reissue | 300 | 150 5 | 500 | 250 | 600 | 300 | | | | | |
| Provisional | 200 | 100 | 0 | 0 | 0 | 0 | | | | | |
| 2. EXCESS CLAIM FEES | | | | | | | | Small Entity Fee (\$) | | | |
| Fee Description Each claim over 20 (including | a Daissuas | ` | | | | | Fee (\$) | | | | |
| • | • | * | | | | | 50 200 | 25 100 | | | |
| Each independent claim over 3 (including Reissues) Multiple dependent claims 360 | | | | | | | | 180 | | | |
| Total Claims Extra C | laime [| Fee (\$) F | ee Paid (| (\$) | N | lultiple Depende | | 100 | | | |
| 35 -20 = 15 | 750.00 | | _ | e (\$) Fee Paid (\$) | | | | | | | |
| HP = highest number of total claim | | reater than 20. | | | _ | | | | | | |
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| 30 | | = | | | | | | | | | |
| HP = highest number of independent | ant claims paid | for, if greater than 3. | | | | | | _ | | | |
| 3. APPLICATION SIZE FEE | : | -d 100 abasta afas | | | : 11 <i>C</i> | | | | | | |
| If the specification and draw listings under 37 CFR 1. | viligs exceed. .52(e)), the | annlication size fe | e due is \$ | 250 (\$125 f | onicany i | ned sequence or centity) for each ad | ditional 50 | | | | |
| sheets or fraction thereo | | | | | | ,, | | | | | |
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| 100 = | | /50 | (rour | d up to a who | le number) | × = | · | | | | |
| 4. OTHER FEE(S) | | | Paid (\$) | | | | | | | | |
| Surcharge, late filing fee | | 130.00 300.00 | | | | | | | | | |
| Other (e.g., late filing surcharge): 1631 Basic National Stage fee 1633 National Stage Examination Fee - all other | | | | | | | 200.00 | | | | |
| | | 642 National Sta | | | | | 100 | 0.00 | | | |
| SUBMITTED BY | | | | | | | | | | | |
| gnature Registration No. (Attorney/Agent) 32,360 | | | | | | Telephone | (617) 439-4444 | | | | |
| Name (Print/Type) Peter C. Lauro | | | | | | Date | July 31, 2006 | | | | |
| | | | | | | | | | | | |
| I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service as Express Mail, Label No. EV 756259197 U.S. on the date shown below in an envelope addressed to: MS PCT, Commissioner for Patents, P.O. Box 1437, Maxandra, VA 223/13-1450. | | | | | | | | | | | |
| MS PCT, Commissioner for Patents, P.O. Box 1447, Maxandria, VA 223/3-1450. | | | | | | | | | | | |
| Dated: July 31, 2006 Signature: (Peter C. Lauro) | | | | | | | | | | | |